#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau



### 1 CONTROL DE LE CONTROL DE LE CONTROL DE LA CONTROL DE

## (43) International Publication Date 24 December 2003 (24.12.2003)

### **PCT**

# (10) International Publication Number WO 03/107590 A1

(51) International Patent Classification7:

rc.

WO 03/10/590

- (b) International Latent Classification
- (21) International Application Number: PCT/US03/18191
- (22) International Filing Date: 9 June 2003 (09.06.2003)
- (25) Filing Language:

English

H04L 9/32

(26) Publication Language:

English

(30) Priority Data: 60/388,082

12 June 2002 (12.06.2002) US

- (71) Applicant (for all designated States except US): THOM-SON LICENSING S.A. [FR/FR]; 46, Quai A. Le Gallo, F-92648 Boulogne (FR).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): WITTMAN, Brian, Albert [US/US]; 5830 Ashurst Street, Indianapolis, IN 46220 (US).
- (74) Agents: TRIPOLI, Joseph, S. et al.; c/o Thomson Licensing Inc., Two Independence Way, Suite #2, Princeton, NJ 08540 (US).

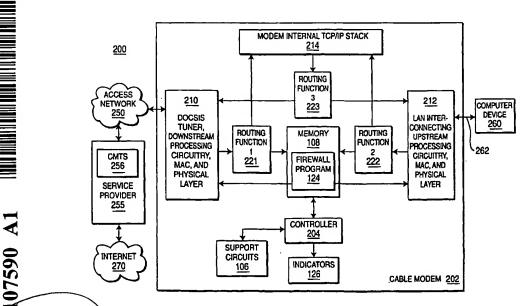
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DATA TRAFFIC FILTERING INDICATOR



(57) Abstract: Disclosed are a method and bi-directional communication device, such as a cable modem (202), router, bridge, or other communication device adapted to communicate via a network and having a firewall (124), for identifying those packets associated with inappropriate activity. The communication device includes at least one user discernable indicator (126) associated with the firewall. The at least one user discernable indicator contemporaneously indicates that a number of packets associated with the inappropriate activity has exceeded a threshold level.